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DEFENSE INTELLIGENCE AGENCY

WASHINGTON, D.C. 20301

1 October 1969

MCGWG-D-10/1

	MEMORANDUM FOR CHAIRMAN, COMIREX	
·	SUBJECT: Worldwide Positioning Requirements	
	1. Attachment, subject as above, is forwarded for action by COMIREX.	
25X1A	2. Before leaving on recent overseas trip asked that review of this matter by COMIREX be scheduled not earlier than 8 October which is his planned return date.	25X1
	1 Enclosure a/s	
	Deputy Chairman COMIREX MC&G Working Group	
	DISTRIBUTION:	
25X1A 25X1A	Copy 1, 2 Ch/COMIREX 3, 4 DIA TCO 5 -7 Army TCO (COL Phillips) 8, 9 Navy TCO (Mr. Wolf)	
25X1A	10,11 Air <u>Force TCO (Mr. Eldridge)</u> 12 NRO	
25X1A	13 NRO L 14 TSO CIA	
	15 State T CO (Mr. Moyer) 16 NSA TCO	
25X1A 25X1A	17,18 NPIC	
25X1A	19,20 CIA Member () 21 CIA COMIREX Member (25X1A
25X1A 25X1A	22,23 CR SUBCOM 24 COMIREX Staff,	20/(1/(
23/1/	25 DIA COMIREX Member 26-30 Ch/MCGWG	25X1A

DIA and NRO review(s) completed.

> GROUP 1 Excluded from Automatic Downgrading and Declassification

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DRAFT USIB PAPER

WORKING PAPER

MEMORANDUM FOR UNITED STATES INTELLIGENCE BOARD

1 Oct 69

SUBJECT:

25X1D

Worldwide Positioning Requirements

References:

- a. USIB-D-41.14/295 (COMOR-D-13/65), 11 July 1966
- b. USIB-D-46.4/24 (COMIREX-D-15.2/12, 29 October 1968-LIMDIS and Memo for Holders of USIB-D-46.4/24, 20 November 1968 - LIMDIS.

BACKGROUND			

25X1A

25X1D

1. Reference a. stated the DoD worldwide position	ing requirements of
feet horizontal and vertical 90% assuranc	e relative to the World
Geodetic System in support of long-range missiles.	

increasing the positioning accuracy of other targets and providing needed

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Page	requirement.	25X1D
25X1A	positioning requirement of feet horizontal and feet vertical	25X1A
25X1A	and feet vertical positioning requirement but will not meet the tighter	
	5. The KH-4B DISIC with Doppler Beacon will meet the feet horizontal	25X1A
	by 1974. (All values 90% assurance relative the World Geodetic System).	
25X1A	horizontal and feet vertical to feet horizontal and feet vertical	25X1A
	of the geodetic and geophysical components of missile operations from feet	
	establishing a technical objective of reducing the positioning portions	25X1A
	effectiveness in view of the cost involved are the basis for the DoD	
	time for acquisition and data reduction and potential benefit in missile	-
	geodetic and geophysical error of missile operations. Factors of long lead	
	and supporting activities including those contributing to reducing the	
	of weapons systems. Major attention has been given to long-range missiles	
	development has been performed on a continuous basis to advance the capability	
	positioning requirement for long range missiles. Extensive research and	
	4. The Department of Defense had indicated a tightening of the worldwide	
	Doppler Beacon be operated during summer months.	
	months. This will necessitate that some of the KH-4B DISIC missions with	
	and charting include Northern latitude areas having limited light in winter	
	3. Requirements for target positioning and geodetic control for mapping	
	cost involved.	
	photography. The advantages to DoD far outweigh the \$	
	orbit. This permits control to be transferred to other cloud free	25X1A
	photogrammetric control can be established through use of the more precise	
	DISIC photography with Doppler Beacon might be partially cloud covered,	
	Even though	

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	IMPACT ON INTELLIGENCE
	6. According to the NRO, the Doppler Beacon can be added to the KH-4B,
	RECOMMENDATIONS
	7.
	a. That USIB recognize the updated DoD worldwide positioning requirement
	in support of long range missiles as feet horizontal and feet vertical
4	beginning in June 1970 and a feet horizontal and feet vertical
	requirement by 1974, all values 90% assurance relative the World Geodetic
	System.
	b. In view of the benefits to be gained and the relatively low cost
	involved, it is recommended that the USIB agree that the NRO:
	(1) Add the Doppler Beacon to 6 KH-4B DISIC (3"frame camera)
	systems beginning in March 1970. (Instead of the 4 systems approved in ref b.)
	of the desired approved in fer b.)
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